



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 2367
Activity No.: PER19980004

Robert Slaven
Plant Manager
Syngenta Crop Protection, Inc.
Post Office Box 11
St. Gabriel, LA 70776

RE: Part 70 Operating Permit, Micro Manufacturing Unit (MMU), Syngenta Crop Protection, Inc., St. Gabriel, Iberville Parish, Louisiana

Dear Mr. Slaven:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2931-V0

S

public notice

Chuck Carr Brown, Ph.D.
Assistant Secretary

CCB:FJH
cc: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
SYNGENTA CROP PROTECTION, INC.
MICRO MANUFACTURING UNIT (MMU)
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed initial Part 70 air operating permit for Syngenta Crop Protection, Inc., P. O. Box 11, St. Gabriel, LA 70776 for the Micro Manufacturing Unit (MMU). **The facility is located at 3905 Hwy 75, St. Gabriel, Iberville Parish.**

The Syngenta St. Gabriel Plant manufactures and formulates pesticides and specialty chemicals.

Syngenta Crop Protection, Inc requested an initial Part 70 air operating permit for its Micro Manufacturing Unit (MMU). The Micro Manufacturing Unit currently operates under Permit No. 1280-00029-08 issued on February 20, 2003, Permit No. 2532-M1 issued January 21, 2000, and administratively amended in March 2002.

The proposed modifications are as follows:

1. Consolidate all permitting activities;
2. Delete Emission Point Z3-83, HCl Storage Tank Scrubber (T-350A/350B); and
3. Delete Emission Point Z1-93, Emergency Scrubber.

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	9.05	4.07	- 4.98
SO ₂	0.01	4.67	+ 4.66
NO _x	24.79	16.98	- 7.81
CO	0.78	5.75	+ 4.67
VOC	22.27	25.58	+ 3.31

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 30, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

Inquiries or requests for additional information regarding this permit action should be directed to Fritz J. Hurst, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3129.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 2367, Permit Number 2931-V0, and Activity Number PER19980004.

Publication date: February 24, 2006.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)
AGENCY INTEREST NO.: 2367
SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

I. Background

Syngenta Crop Protection - St. Gabriel Plant, manufactures and formulates pesticides and specialty chemicals. The plant is located on River Road (LA. 75), approximately 0.5 miles south of the intersection of La. 74 and River Road in Iberville Parish. The Micro Manufacturing Unit (MMU) currently operates under Permit No. 1280-00029-08 issued on February 20, 2003, Permit No. 2532-M1 issued January 21, 2000, and administratively amended in March 2002.

This is the Part 70 operating permit for the Micro Manufacturing Unit (MMU) Facility only.

II. Origin

A permit application and Emission Inventory Questionnaire was submitted by Syngenta Crop Protection - St. Gabriel Plant in September 1996 requesting a Part 70 operating permit. Also a revised application and EIQ dated February 28, 2002 and December 8, 2005 were submitted.

III. Description

The Syngenta St. Gabriel Plant manufactures and formulates pesticides and specialty chemicals. Specific processes include: 1) manufacture, formulation, and packaging of s-triazine herbicides, 2) manufacture of hydrogen cyanide, a raw material, 3) manufacture, formulation, and packaging activities for various other pesticides, and specialty chemicals, and 4) supportive activities for the above which include effluent treatment systems, maintenance, utilities, analytical and quality control. Additionally, hazardous and non-hazardous solid waste streams are incinerated in the St. Gabriel Plant multi-purpose rotary kiln incinerator.

Herbicide Unit

The Herbicide unit is a formation unit that blends active ingredients and formulation raw materials to produce specialty products for crop protection markets. There are two blending reactors equipped with high-shear agitators. Both reactors are run in parallel with one additional vessel used between the two. The material typically used include herbicide paste and liquid herbicides, emulsifier, surfactants, and colloids. The high shear agitator is able to disperse organic materials into droplets within an aqueous phase. These formulations are generally called emulsions or emulsion concentrate. Biocides and pH adjustment are used to prevent bacterial growth. Milling of the emulsion droplet provides the specified particle size requested by the customer. The final product is then transferred to storage for shipment to other Syngenta locations in tank cars, tank trucks, totes, or drums for further packaging, formulating and distribution.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)
AGENCY INTEREST NO.: 2367
SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

Insecticide No. 1 Unit

The Insecticide No. 1 Unit may be used to produce various insecticide formulations. Typically, insecticides are produced by dispersing an organic phase material, a solvent and a prepolymer agent into an aqueous phase using a high-shear agitator to form micro droplets. Reactant chemicals present in the organic phase react with water at the droplet-aqueous interface to form the capsule around the droplet. Suspending agents are added to prevent the separation of capsules from the aqueous phase during prolonged storage. The material is then mixed with additional suspending agents, a biocide and pH adjustment chemicals. The final product is then transferred to storage for shipment to other Syngenta locations in tank cars or ISO-containers for packaging and distribution.

Bulk Formulations Unit

The Bulk Formulations Unit is a multi-purpose blending facility. This unit may be used to produce a variety of diluted insecticides. Some materials may be transferred to storage vessels for subsequent shipment to other Syngenta locations in the United States for further packaging. Some final products will be produced and shipped by tank truck or ISO-containers to other Syngenta locations and distributors in the United States or to other domestic non-Syngenta toll packagers.

The proposed modifications are as follows:

1. Consolidate all permitting activities;
2. Delete Emission Point Z3-83, HCl Storage Tank Scrubber (T-350A/350B); and
3. Delete Emission Point Z1-93, Emergency Scrubber.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>		
	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	9.05	4.07	- 4.98
SO ₂	0.01	4.67	+ 4.66
NO _x	24.79	16.98	- 7.81
CO	0.78	5.75	+ 4.67
VOC	22.27	25.58	+ 3.31

**AIR PERMIT BRIEFING SHEET
 PERMITS DIVISION
 LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**MICRO MANUFACTURING UNIT (MMU)
 AGENCY INTEREST NO.: 2367
 SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
 ST. GABRIEL, IBERVILLE PARISH, LOUISIANA**

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>TPY</u>	<u>Pollutant</u>	<u>TPY</u>
Acetaldehyde	0.0005	Acrolein	0.0005
Benzene	0.004	Cumene	0.05
Formaldehyde	0.04	n-Hexane	0.06
Naphthalene	0.28	Toluene	12.95
Toluene 2,4 Diisocyanate (TDI)	Neg	Polynuclear Aromatic Hydrocarbon (PAH)	0.001
Trichloroethylene	0.0004	Xylene	0.09
Total	13.48		

Other VOC (TPY):

Acetic Acid	0.21
Methylenediphenyl Diisocyanate*	5.54

*TAP under the supplemental list

Non- VOC TAPs (TPY):

Ammonia	0.30
Copper Compounds	0.001
Hydrogen Cyanide	0.05
Total	0.35

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and NESHAP. Prevention of Significant Deterioration does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The MMU is subject to 40 CFR 63, Subpart FFFF – Miscellaneous Organic Chemical Manufacturing.

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**MICRO MANUFACTURING UNIT (MMU)
AGENCY INTEREST NO.: 2367
SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA**

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, on <date>, and in the Plaquemine Post/South, Plaquemine, on <date>, and submitted to the Iberville Parish Library, East Iberville Branch, on <date>. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments were considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
Not Applicable			

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**MICRO MANUFACTURING UNIT (MMU)
AGENCY INTEREST NO.: 2367
SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA**

VIII. General Condition XVII Activities

Activity	Frequency	Pollutant	TPY
None			

IX. Insignificant Activities:

<u>ID No.:</u>	<u>Description</u>	<u>Capacity</u>	<u>Citation</u>
None			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT

ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No:	Description	LAC 33:III, Chapter												
		5*	9	11	13	15	2111*	2113	2115	29*	51*	53	56	59
EQT243	T-522a: Insecticide Product Check Tank													
EQT244	T-522b: Insecticide Product Check Tank													
EQT245	T-560: Solvent Storage Tank													
EQT246	T-903C: Acetone Storage Tank													
EQT247	T-912A: R-25788 Antidote													
EQT248	T-912B: R-25788 Antidote													
EQT249	T-92: DAA Storage Tank													
EQT250	T-50: Rain Water Tank													
EQT251	T-80: Rain Water Tank													
EQT252	T-300: Rain Water Tank													
EQT253	T-1003: Intermediate Solutions													

*The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC - ST. GABRIEL PLANT

ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC - ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
MMU Facility	Limited Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry (SOCMI) [LAC 33:III.2147]	DOES NOT APPLY. MMU is not a SOCOMI facility.
	Limited Volatile Organic Compounds Emissions from Industrial Wastewater [LAC 33: III.2153] State Only	DOES NOT APPLY. Syngenta is not one of the affected facilities listed under LAC 33:III.2153.A.
	NESHAP Subpart FF – Benzene Waste Operations [40 CFR 61]	EXEMPT. Total annual benzene quantity in facility waste streams is less than 1 Mg/yr.
	Hazardous Organic NESHAPs [40 CFR 63 Subpart F, G, and H]	DOES NOT APPLY. This unit does not produce any of the products listed in Table 1 of 40 CFR 63 Subpart F.
	NSPS Subpart NNN – Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations [40 CFR 60.660]	DOES NOT APPLY. MMU is not a SOCOMI facility.
	NSPS Subpart RRR – Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes [40 CFR 60.700]	DOES NOT APPLY. MMU is not a SOCOMI facility.
	NESHAPs Pesticide Active Ingredient Production [40 CFR 63 Subpart MMM]	NOT APPLICABLE. This unit does not manufacture PAIs as defined in 40 CFR 63 Subpart MMM.
	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	Exempt from controls. SO ₂ less than 250 TPY.
	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. Potential to emit is less than 25 TPY.
	EQT150: Z1-74 Thermal Oxidizer	Compliance Assurance Monitoring [40 CFR 64]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Atmospheric Venting Tanks: EQT152: T-1005, EQT154: T-1006, EQT155: ZT-1013, EQT156: T-1022A, EQT157: T-1022B, EQT158: T-305A, EQT159: T-305B, EQT160: T-407, EQT161: T-408, EQT162: T-412, EQT163: T-415, EQT164: T-420, EQT165: T-422, EQT166: T-425, EQT167: T-79, EQT170: T-805, EQT171: T901B, EQT172: T901C, EQT173: T-901D, EQT174: T-902B, EQT175: T902C, EQT176: DCAC, EQT177: T-911, EQT178: T-914A	Storage of Volatile Organic Compounds [LAC 33:III.2103.A] NSPS K - Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.110] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110b]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia. DOES NOT APPLY. Tanks do not store petroleum liquid. EXEMPT. Vapor pressure of liquid being stored is less than 0.51 psia or capacity less than 20,000 gallons or tank constructed prior to 1984. No controls required.
FUG005: Z2-83 Equipment Fugitives	Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes [LAC 33:III.2122] NSPS Subpart VV – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemical Manufacturing Industry [40 CFR 60.480]	DOES NOT APPLY. MMU is not a SOCOMI facility. DOES NOT APPLY. MMU is not a SOCOMI facility.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC - ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT198: Z4-98 Stormwater Collection System	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Each tank stores a liquid having a vapor pressure of less than 1.5 psia.
	NSPS K - Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.110]	DOES NOT APPLY. Tanks capacities are less than 40,000 gallons and/or tanks do not store a petroleum liquid.
	NSPS Ka - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and prior to July 23, 1984 [40 CFR 60.110a]	DOES NOT APPLY. Tanks capacities are less than 40,000 gallons and/or tanks do not store a petroleum liquid.
	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110b]	DOES NOT APPLY. Each tank was not constructed, reconstructed, or modified after July 23, 1984, and/or has a storage capacity less than 10,000 gallons.
EQT212: Z5-98 Diesel-Powered Generators	Emissions Standard of Particular Matter [LAC 33:III.1313]	DOES NOT APPLY. The primary purpose of this unit is to produce power, not indirect heating.
	Control of Emissions of Sulfur Dioxide [LAC 33:III.1503]	Exempt from controls. Emits less than 250 tpy.
	Control of Emissions of Nitrogen Oxide [LAC 33:III. Chapter 22]	EXEMPT. Engine is a diesel -fired stationary internal combustion engine.
	Prohibited Activities and Special Provisions [LAC 33:III.5105]	EXEMPT. Burns virgin fossil fuel.
EQT199: Z6-98 Diesel-Powered Emergency Generators	Emissions Standard of Particular Matter [LAC 33:III.1313]	DOES NOT APPLY. The primary purpose of this unit is to produce power, not indirect heating.
	Control of Emissions of Sulfur Dioxide [LAC 33:III.1503]	Exempt from controls. Emits less than 250 tpy.
	Control of Emissions of Nitrogen Oxide [LAC 33:III. Chapter 22]	EXEMPT. Engine is a diesel -fired stationary internal combustion engine.
	Prohibited Activities and Special Provisions [LAC 33:III.5105]	EXEMPT. Burns virgin fossil fuel.
EQT200: Z7-98 Materials Loading/Unloading	Volatile Organic Compounds - Loading [LAC 33:III.2107]	DOES NOT APPLY. Facility does not load materials having a true vapor pressure of 1.5 psia or greater at loading conditions.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC - ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT201: Z8-98 Cooling Tower	HON Subpart F - Heat Exchange System Requirements [40 CFR 63.104]	DOES NOT APPLY. MMU is not a SOCOMI facility.
EQT155: ZT-1013 (Included in Z1-83 MMU Atmosphere Venting Tanks)	NESHAP Subpart Q - National Emissions Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers [40 CFR 63] Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Chromium-based water treatment chemicals are not used in the cooling water or cooling tower. DOES NOT APPLY. Vapor pressure is less than 1.5 psia.
EQT234: T-401	NSPS Ka - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and prior to July 23, 1984 [40 CFR 60.60.110a] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b] NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	DOES NOT APPLY. Tanks capacities are less than 40,000 gallons and/or tanks do not store a petroleum liquid. DOES NOT APPLY. Each tank was not constructed, reconstructed, or modified after July 23, 1984, and/or has a storage capacity less than 10,000 gallons. EXEMPT. Vapor pressure less than 15 kPa.
EQT235: T-402, EQT236: T-404	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Tank was built in 1983.
EQT246: T-903C	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Tank does not store VOC.
EQT247: T-912A, EQT248: T-912B	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Tanks were built before July 23, 1984.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MICRO MANUFACTURING UNIT (MMU)

AGENCY INTEREST NO.: 2367

SYNGENTA CROP PROTECTION, INC - ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT249: T-92	NSPS Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.60.110b]	EXEMPT. Vapor pressure less than 3.5 kPa.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 1996, February 28, 2002, and December 13, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AJ ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	1280-00007	Syngenta Crop Protection Inc - St Gabriel Plant	CDS Number	04-04-1972
	1280-0007	Syngenta Crop Protection Inc - St Gabriel Plant	Emission Inventory	03-03-2004
	LAD053783445	Syngenta Crop Protection Inc	Hazardous Waste Notification	08-18-1980
	PMTCA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
	LAD053783445	Ciba Geigy	Inactive & Abandoned Sites	11-23-1999
	LA0005487	WPC File Number	LPDES Permit #	05-22-2003
	LA0095478	WPC File Number	LPDES Permit #	05-22-2003
	WP0956	WPC State Permit Number	LWDPS Permit #	06-25-2003
	WP4554	WPC State Permit Number	LWDPS Permit #	06-25-2003
	04042	LELAP #	Laboratory Services Division	10-17-2001
	LA-2219-L01	Radioactive Material License	Radiation License Number	12-08-2000
	G-047-2031	Site ID #	Solid Waste Facility No.	11-21-1999
	GPD-047-0107	Site ID #	Solid Waste Facility No.	08-13-2001
	GPD-047-0224	Ciba-Geigy Corp	Solid Waste Facility No.	01-08-2002
	16945	Ciba-Geigy Corp	TEMPO Merge	01-08-2001
	24824	Syngenta Crop Protection Inc	TEMPO Merge	03-22-2001
	31435	Novartis	TEMPO Merge	03-12-2001
	38791	Novartis Crop Protection Inc	TEMPO Merge	02-04-2001
	4418	Zeneca Ag Production Inc	TEMPO Merge	03-19-2001
	45830	Zeneca Inc	TEMPO Merge	03-19-2001
	48920	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
	75341	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
	96982	Ciba-Geigy Corp	TEMPO Merge	02-27-2002
	1280-0007	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	1280-0029	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1993
	70776CBGGYRIVER	TRI #	Toxic Release Inventory	07-08-2004
	70776CMRCSHWY75	TRI #	Toxic Release Inventory	07-09-2004
	23002025	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
	729	Water Permit #	Water Permitting	11-21-1999

Physical Location:
 3905 Hwy 75
 St Gabriel, LA 70776

Mailing Address:
 PO Box 11

Main FAX: 2256421653
Main Phone: 2256421100

General Information

AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

St Gabriel, LA 707760011

Location of Front Gate:

30° 14' 48" 22 hundredths latitude, 91° 6' 12" 63 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Richard Boudreau	PO Box 11 St Gabriel, LA 707760011	2256421257 (WP)	Hazardous Waste Permit Contact For
Victor R. Cross	PO Box 11 St Gabriel, LA 707760011	2256421483 (WP)	Water Permit Contact For
Victor R. Cross	PO Box 11 St Gabriel, LA 707760011	2256421483 (WP)	Underground Storage Tank Contact for
Victor R. Cross	PO Box 11 St Gabriel, LA 707760011	2256421483 (WP)	Water Billing Party for
Mark Graham	PO Box 11 St Gabriel, LA 707760011	2256421794 (WF)	Radiation Safety Officer for
Mark Graham	PO Box 11 St Gabriel, LA 707760011	2253179150 (CP)	Radiation Safety Officer for
Mark Graham	PO Box 11 St Gabriel, LA 707760011	2256421686 (WP)	Radiation Safety Officer for
Bruce Raff	PO Box 11 St Gabriel, LA 707760011	2256421686 (WP)	Air Permit Contact For
Bruce Raff	PO Box 11 St Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Billing Party for
Bruce Raff	PO Box 11 St Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Owns
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Air Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Operates
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	UST Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Solid Waste Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Radiation License Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT150	Z1-74: Thermal Oxidizer		5.1 MM BTU/hr	5.1 MM BTU/hr	Natural Gas	8760 hr/yr (All Year)
EQT152	T-1005: Pregel Storage Tank	3384 gallons				8760 hr/yr (All Year)
EQT154	T-1006: Pregel Storage Tank	3384 gallons				8760 hr/yr (All Year)
EQT155	Z1-1013: Sequence Storage Tank	20304 gallons				8760 hr/yr (All Year)
EQT156	T-1022A: Herbicide Final Product Tank	5443 gallons				8760 hr/yr (All Year)
EQT157	T-1022B: Herbicide Final Product Tank	5443 gallons				8760 hr/yr (All Year)
EQT158	T-305A: Insecticide Raw Material/Final Product	13560 gallons				8760 hr/yr (All Year)
EQT159	T-305B: Insecticide Raw Material/Final Product	13560 gallons				8760 hr/yr (All Year)
EQT160	T-407: Bulk Formulations Storage	12085 gallons				8760 hr/yr (All Year)
EQT161	T-408: Bulk Formulations Storage	12085 gallons				8760 hr/yr (All Year)
EQT162	T-412: Bulk Formulations Storage	8813 gallons				8760 hr/yr (All Year)
EQT163	T-415: Bulk Formulations Storage	22037 gallons				8760 hr/yr (All Year)
EQT164	T-420: Glycol Storage Tank	22037 gallons				8760 hr/yr (All Year)
EQT165	T-422: Bulk Formulations Storage	8813 gallons				8760 hr/yr (All Year)
EQT166	T-425: Percoat Tank	2256 gallons				8760 hr/yr (All Year)
EQT167	T-79: S-Metolachlor Storage	46660 gallons				8760 hr/yr (All Year)
EQT168	T-96: S-Metolachlor Storage	46660 gallons				8760 hr/yr (All Year)
EQT169	T-86: Toluene Product	36000 gallons				8760 hr/yr (All Year)
EQT170	T-805: Fuel Oil Tank	900 gallons				8760 hr/yr (All Year)
EQT171	T-901B: Herbicide Products	163000 gallons				8760 hr/yr (All Year)
EQT172	T-901C: Herbicide Products	163000 gallons				8760 hr/yr (All Year)
EQT173	T-901D: Herbicide Products	163000 gallons				8760 hr/yr (All Year)
EQT174	T-902B: Herbicide Products	163000 gallons				8760 hr/yr (All Year)
EQT175	T-902C: 8% Styron Solution	163001 gallons				8760 hr/yr (All Year)
EQT176	DCAC Storage Tank	30000 gallons				8760 hr/yr (All Year)
EQT177	T-911: Monoisopropanolamine (IPAA)	51702 gallons				8760 hr/yr (All Year)
EQT178	T-914A: Herbicide Products	149418 gallons				8760 hr/yr (All Year)
EQT194	Z1-94: Dry Chemical Feed Hopper Systems No. 1 (B-1005B-1035)		36000 lb/yr	36000 lb/yr		1600 hr/yr (All Year)
EQT196	Z1-98: Dry Chemical Feed Hopper Systems No. 2 (B-509)		8000 lb/yr	8000 lb/yr		133 hr/yr (All Year)
EQT197	Z2-98: Dry Chemical Feed Hopper No. 3 (B-530)		5000 lb/yr	5000 lb/yr		30 hr/yr (All Year)
EQT198	Z4-98: Stormwater Collection System		635 gallons/min	635 gallons/min		8760 hr/yr (All Year)
EQT199	Z6-98: Diesel-Powered Emergency Generator		500 kW	500 kW	Diesel Fired	52 hr/yr (All Year)
EQT200	Z7-98: Materials Loading/Unloading		22.16 MM gallons/yr	22.16 MM gallons/yr		8760 hr/yr (All Year)
EQT201	Z8-98: Cooling Tower		5000 gallons/min	5000 gallons/min		8760 hr/yr (All Year)
EQT202	Z2-99: Insecticide Unit Drum Unloading Room		5 gallons/min	2 gallons/min		400 hr/yr (All Year)
EQT203	Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)		5 gallons/min	2 gallons/min		8760 hr/yr (All Year)

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQ1204	Z3-01: Dry Chemical Feed Hopper No. 4 (Hooper No. 464)		2400 lb/yr	2400 lb/yr		261 hr/yr (All Year)
EQ1205	ZT-305A: T-305A, Brine Tank	13560 gallons	1.64 MM gallons/yr	1.64 MM gallons/yr		8760 hr/yr (All Year)
EQ1206	ZT-305B: T-305B, Brine Tank	13560 gallons	1.64 MM gallons/yr	1.64 MM gallons/yr		8760 hr/yr (All Year)
EQ1213	Generator No. 1		500 kW	500 kW		4160 hr/yr (All Year)
EQ1214	Generator No. 2		500 kW	500 kW		4160 hr/yr (All Year)
EQ1215	Generator No. 3		500 kW	500 kW		4160 hr/yr (All Year)
EQ1216	Generator No. 4		1250 kW	1250 kW		4160 hr/yr (All Year)
EQ1217	T-1008: Acetic Acid Storage Tank	6500 gallons				8760 hr/yr (All Year)
EQ1223	Z1-96: Dust Collection System (WT-1008/WT-1009)		100000 lb/yr	100000 lb/yr		958 hr/yr (All Year)
EQ1224	Z1-99: Insecticide Unit Dry Chemical Feed Hooper Vent (B-535)		300 lb/yr	300 lb/yr		300 hr/yr (All Year)
EQ1225	R-1010: Organic Mix Reactor	3750 gallons				8760 hr/yr (All Year)
EQ1226	R-1020: Micro Reactor	7500 gallons				8760 hr/yr (All Year)
EQ1227	R-1030: Micro Reactor	7900 gallons				8760 hr/yr (All Year)
EQ1228	R-510: Micro Reactor	1270 gallons				8760 hr/yr (All Year)
EQ1229	R-520: Micro Reactor	2600 gallons				8760 hr/yr (All Year)
EQ1230	T-1004: Agnique Storage Tank	4578 gallons				8760 hr/yr (All Year)
EQ1231	T-1025: Hot Oil Tank	1700 gallons				8760 hr/yr (All Year)
EQ1232	T-1023: Aplus 450 Storage Tank	4400 gallons				8760 hr/yr (All Year)
EQ1233	T-152: Recycle Toluene Storage Tank	11678 gallons				8760 hr/yr (All Year)
EQ1234	T-401: Insecticide Product Tank	23241 gallons				8760 hr/yr (All Year)
EQ1235	T-402: Insecticide Product Tank	23251 gallons				8760 hr/yr (All Year)
EQ1236	T-404: Product Storage Tank	23241 gallons				8760 hr/yr (All Year)
EQ1237	T-423: Premix Tank	2200 gallons				8760 hr/yr (All Year)
EQ1238	T-426: Mix Tank	10600 gallons				8760 hr/yr (All Year)
EQ1239	T-500: TiO2 Premix Tank	1175 gallons				8760 hr/yr (All Year)
EQ1240	T-506: Agnique Storage	5000 gallons				8760 hr/yr (All Year)
EQ1241	T-515: Emulsifier Premix Tank	1425 gallons				8760 hr/yr (All Year)
EQ1242	T-517: Isocyanate Tank	7700 gallons				8760 hr/yr (All Year)
EQ1243	T-522a: Insecticide Product Check Tank	2500 gallons				8760 hr/yr (All Year)
EQ1244	T-522b: Insecticide Product Check Tank	2500 gallons				8760 hr/yr (All Year)
EQ1245	T-560: Solvent Storage Tank	11600 gallons				8760 hr/yr (All Year)
EQ1246	T-903C: Acetone Storage Tank	48980 gallons				8760 hr/yr (All Year)
EQ1247	T-912A: R-25788 Antidote	80000 gallons				8760 hr/yr (All Year)
EQ1248	T-912B: R-25788 Antidote	80000 gallons				8760 hr/yr (All Year)
EQ1249	T-92: DAA Storage Tank	42085 gallons				8760 hr/yr (All Year)
EQ1250	T-50: Rain Water Tank	300000 gallons				8760 hr/yr (All Year)
EQ1251	T-80: Rain Water Tank	80000 gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQ1252	T-300: Rain Water Tank	300000 gallons				8760 hr/yr (All Year)
EQ1253	T-1003: Intermediate Solutions	2000 gallons				8760 hr/yr (All Year)
FUG005	Z2-83: Equipment Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP029	MMU Facility	AI2367
GRP029	MMU Facility	EQ1150 Z1-74: Thermal Oxidizer
GRP029	MMU Facility	EQ1152 T-1005: Pregel Storage Tank
GRP029	MMU Facility	EQ1154 T-1006: Pregel Storage Tank
GRP029	MMU Facility	EQ1155 Z1-1013: Sequence Storage Tank
GRP029	MMU Facility	EQ1156 T-1022A: Herbicide Final Product Tank
GRP029	MMU Facility	EQ1157 T-1022B: Herbicide Final Product Tank
GRP029	MMU Facility	EQ1158 T-305A: Insecticide Raw Material/Final Product
GRP029	MMU Facility	EQ1159 T-305B: Insecticide Raw Material/Final Product
GRP029	MMU Facility	EQ1160 T-407: Bulk Formulations Storage
GRP029	MMU Facility	EQ1161 T-408: Bulk Formulations Storage
GRP029	MMU Facility	EQ1162 T-412: Bulk Formulations Storage
GRP029	MMU Facility	EQ1163 T-415: Bulk Formulations Storage
GRP029	MMU Facility	EQ1164 T-420: Glycol Storage Tank
GRP029	MMU Facility	EQ1165 T-422: Bulk Formulations Storage
GRP029	MMU Facility	EQ1166 T-425: Percol Tank
GRP029	MMU Facility	EQ1167 T-79: S-Metolachlor Storage
GRP029	MMU Facility	EQ1168 T-96: S-Metolachlor Storage
GRP029	MMU Facility	EQ1169 T-86: Toluene Product
GRP029	MMU Facility	EQ1170 T-805: Fuel Oil Tank
GRP029	MMU Facility	EQ1171 T-901B: Herbicide Products
GRP029	MMU Facility	EQ1172 T-901C: Herbicide Products
GRP029	MMU Facility	EQ1173 T-901D: Herbicide Products
GRP029	MMU Facility	EQ1174 T-902B: Herbicide Products
GRP029	MMU Facility	EQ1175 T-902C: 8% Styron Solution
GRP029	MMU Facility	EQ1176 DCAC Storage Tank
GRP029	MMU Facility	EQ1177 T-911: Monoisopropanolamine (IPAA)
GRP029	MMU Facility	EQ1178 T-914A: Herbicide Products
GRP029	MMU Facility	EQ1194 Z1-94: Dry Chemical Feed Hopper Systems No. 1 (B-1005/B-1035)
GRP029	MMU Facility	EQ1196 Z1-98: Dry Chemical Feed Hopper Systems No. 2 (B-509)

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:	ID	Description	Included Components (from Above)
GRP029	MMU Facility	EQ1197	Z2-98: Dry Chemical Feed Hopper No. 3 (B-530)
GRP029	MMU Facility	EQ1198	Z4-98: Stormwater Collection System
GRP029	MMU Facility	EQ1199	Z6-98: Diesel-Powered Emergency Generator
GRP029	MMU Facility	EQ1200	Z7-98: Materials Loading/Unloading
GRP029	MMU Facility	EQ1201	Z8-98: Cooling Tower
GRP029	MMU Facility	EQ1202	Z2-99: Insecticide Unit Drum Unloading Room
GRP029	MMU Facility	EQ1203	Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)
GRP029	MMU Facility	EQ1204	Z3-01: Dry Chemical Feed Hopper No. 4 (Hooper No. 464)
GRP029	MMU Facility	EQ1205	ZT-305A: T-305A Brine Tank
GRP029	MMU Facility	EQ1206	ZT-305B: T-305B Brine Tank
GRP029	MMU Facility	EQ1213	Generator No. 1
GRP029	MMU Facility	EQ1214	Generator No. 2
GRP029	MMU Facility	EQ1215	Generator No. 3
GRP029	MMU Facility	EQ1216	Generator No. 4
GRP029	MMU Facility	EQ1217	T-1008: Acetic Acid Storage Tank
GRP029	MMU Facility	EQ1223	Z1-96: Dust Collection System (WT-1008/WT-1009)
GRP029	MMU Facility	EQ1224	Z1-99: Insecticide Unit Dry Chemical Feed Hooper Vent (B-535)
GRP029	MMU Facility	EQ1225	R-1010: Organic Mix Reactor
GRP029	MMU Facility	EQ1226	R-1020: Micro Reactor
GRP029	MMU Facility	EQ1227	R-1030: Micro Reactor
GRP029	MMU Facility	EQ1228	R-510: Micro Reactor
GRP029	MMU Facility	EQ1229	R-520: Micro Reactor
GRP029	MMU Facility	EQ1230	T-1004: Agnique Storage Tank
GRP029	MMU Facility	EQ1231	T-1025: Hot Oil Tank
GRP029	MMU Facility	EQ1232	T-1023: Aplus 450 Storage Tank
GRP029	MMU Facility	EQ1233	T-152: Recycle Toluene Storage Tank
GRP029	MMU Facility	EQ1234	T-401: Insecticide Product Tank
GRP029	MMU Facility	EQ1235	T-402: Insecticide Product Tank
GRP029	MMU Facility	EQ1236	T-404: Product Storage Tank
GRP029	MMU Facility	EQ1237	T-423: Premix Tank
GRP029	MMU Facility	EQ1238	T-426: Mix Tank
GRP029	MMU Facility	EQ1239	T-500: T102 Premix Tank
GRP029	MMU Facility	EQ1240	T-506: Agnique Storage
GRP029	MMU Facility	EQ1241	T-515: Emulsifier Premix Tank
GRP029	MMU Facility	EQ1242	T-517: Isocyanate Tank
GRP029	MMU Facility	EQ1243	T-522a: Insecticide Product Check Tank
GRP029	MMU Facility	EQ1244	T-522b: Insecticide Product Check Tank

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP029	MMU Facility	EQT245 T-560: Solvent Storage Tank
GRP029	MMU Facility	EQT246 T-903C: Acetone Storage Tank
GRP029	MMU Facility	EQT247 T-912A: R-25788 Antidote
GRP029	MMU Facility	EQT248 T-912B: R-25788 Antidote
GRP029	MMU Facility	EQT249 T-92: DAA Storage Tank
GRP029	MMU Facility	EQT250 T-50: Rain Water Tank
GRP029	MMU Facility	EQT251 T-80: Rain Water Tank
GRP029	MMU Facility	EQT252 T-300: Rain Water Tank
GRP029	MMU Facility	EQT253 T-1003: Intermediate Solutions
GRP029	MMU Facility	FUG5 Z2-83: Equipment Fugitives

Relationships:

Subject Item	Relationship	Subject Item
EQT217 T-1008: Acetic Acid Storage Tank	Vents to	EQT203 Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)
EQT225 R-1010: Organic Mix Reactor	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT226 R-1020: Micro Reactor	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT227 R-1030: Micro Reactor	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT228 R-510: Micro Reactor	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT229 R-520: Micro Reactor	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT230 T-1004: Agnique Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT231 T-1025: Hot Oil Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT232 T-1023: Aplus 450 Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT233 T-152: Recycle Toluene Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT234 T-401: Insecticide Product Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT235 T-402: Insecticide Product Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT236 T-404: Product Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT237 T-423: Premix Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT238 T-426: Mix Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT239 T-500: TIO2 Premix Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT240 T-506: Agnique Storage	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT241 T-515: Emulsifier Premix Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT242 T-517: Isocyanate Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT243 T-522a: Insecticide Product Check Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT244 T-522b: Insecticide Product Check Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT245 T-560: Solvent Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT246 T-903C: Acetone Storage Tank	Vents to	EQT150 Z1-74: Thermal Oxidizer
EQT247 T-912A: R-25788 Antidote	Vents to	EQT150 Z1-74: Thermal Oxidizer

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

Relationships:	Subject Item	Relationship	Subject Item
EQ1248 T-912B: R-25788 Antidote		Vents to	EQ1150 Z1-74: Thermal Oxidizer
EQ1249 T-92: DAA Storage Tank		Vents to	EQ1150 Z1-74: Thermal Oxidizer
EQ1250 T-50: Rain Water Tank		Vents to	EQ1198 Z4-98: Stormwater Collection System
EQ1251 T-80: Rain Water Tank		Vents to	EQ1198 Z4-98: Stormwater Collection System
EQ1252 T-300: Rain Water Tank		Vents to	EQ1198 Z4-98: Stormwater Collection System
EQ1253 T-1003: Intermediate Solutions		Vents to	EQ1150 Z1-74: Thermal Oxidizer

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQ1150 Z1-74: Thermal Oxidizer	15.9	6760	3		40	1600
EQ1152 T-1005: Pregel Storage Tank						
EQ1154 T-1006: Pregel Storage Tank						
EQ1155 Z1-1013: Sequence Storage Tank						
EQ1156 T-1022A: Herbicide Final Product Tank						
EQ1157 T-1022B: Herbicide Final Product Tank						
EQ1158 T-305A: Insecticide Raw Material/Final Product						
EQ1159 T-305B: Insecticide Raw Material/Final Product						
EQ1160 T-407: Bulk Formulations Storage						
EQ1161 T-408: Bulk Formulations Storage						
EQ1162 T-412: Bulk Formulations Storage						
EQ1163 T-415: Bulk Formulations Storage						
EQ1164 T-420: Glycol Storage Tank						
EQ1165 T-422: Bulk Formulations Storage						
EQ1166 T-425: Percat Tank						
EQ1167 T-79: S-Metolachlor Storage						
EQ1168 T-96: S-Metolachlor Storage						
EQ1169 T-86: Toluene Product						
EQ1170 T-805: Fuel Oil Tank						
EQ1171 T-901B: Herbicide Products						
EQ1172 T-901C: Herbicide Products						
EQ1173 T-901D: Herbicide Products						
EQ1174 T-902B: Herbicide Products						
EQ1175 T-902C: 8% Styron Solution						
EQ1176 DCAC Storage Tank						
EQ1177 T-911: Monoisopropanilamine (PAA)						
EQ1178 T-914A: Herbicide Products						
EQ1194 Z1-94: Dry Chemical Feed Hopper Systems No. 1 (B-1005/B-1035)	33	700	.67		53	70
EQ1196 Z1-98: Dry Chemical Feed Hopper Systems No. 2 (B-509)	31	650	.67		66	70
EQ1197 Z2-98: Dry Chemical Feed Hopper No. 3 (B-530)	.01	.69	2.36		60	70
EQ1199 Z6-98: Diesel-Powered Emergency Generator			.67		10	
EQ1201 Z8-98: Cooling Tower					27.75	88

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

Stack Information:						
ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQ1202				1.56	24	
Z2-99: Insecticide Unit Drum Unloading Room						
EQ1203						
Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)						
EQ1204	86	127	.25		25	
Z3-01: Dry Chemical Feed Hopper No. 4 (Hooper No. 464)						
EQ1213			.67		10	
Generator No. 1						
EQ1214			.67		10	
Generator No. 2						
EQ1215			.67		10	
Generator No. 3						
EQ1216			.67		10	
Generator No. 4						
EQ1223		1200		.91	22.2	70
Z1-96: Dust Collection System (WT-1008/WT-1009)						
EQ1224	2800					
Z1-99: Insecticide Unit Dry Chemical Feed Hopper Vent (B-535)						

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP029	1	Trains	0670 - Pesticides Manufacture

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

EQT150 Z1-74: Thermal Oxidizer

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 3 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 4 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The thermal oxidizer meets MACT for emissions from tanks and process vents by maintaining a minimum firing temperature of 1600 degree F; a minimum of 2% excess oxygen by volume in the flue gas; and maintaining a retention time of 0.5 second or greater to maintain 98% efficiency. [LAC 33:III.5109.A]
- 5 Continuously monitor and record minimum firing temperature; excess oxygen by volume in flue gas; and maintain records of calculations demonstrating retention time. [LAC 33:III.Chapter.51]

EQT152 T-1005: Pregel Storage Tank

- 6 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart K.b. [40 CFR 60.116b(c)]

EQT154 T-1006: Pregel Storage Tank

- 7 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart K.b. [40 CFR 60.116b(c)]

EQT155 ZT-1013: Sequence Storage Tank

- 8 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart K.b. [40 CFR 60.116b(c)]

EQT156 T-1022A: Herbicide Final Product Tank

- 9 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart K.b. [40 CFR 60.116b(c)]

EQT157 T-1022B: Herbicide Final Product Tank

- 10 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart K.b. [40 CFR 60.116b(c)]

EQT158 T-305A: Insecticide Raw Material/Final Product

SPECIFIC REQUIREMENTS

AJ ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

EQT158 T-305A: Insecticide Raw Material/Final Product

11 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT159 T-305B: Insecticide Raw Material/Final Product

12 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT160 T-407: Bulk Formulations Storage

13 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT161 T-408: Bulk Formulations Storage

14 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT162 T-412: Bulk Formulations Storage

15 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT163 T-415: Bulk Formulations Storage

16 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT164 T-420: Glycol Storage Tank

17 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT165 T-422: Bulk Formulations Storage

18 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT166 T-425: Percoat Tank

19 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT167 T-79: S-Metolachlor Storage

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

EQT167 T-79: S-Metolachlor Storage

20 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT168 T-96: S-Metolachlor Storage

21 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT169 T-86: Toluene Product

22 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT170 T-805: Fuel Oil Tank

23 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT171 T-901B: Herbicide Products

24 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT172 T-901C: Herbicide Products

25 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT173 T-901D: Herbicide Products

26 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT174 T-902B: Herbicide Products

27 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT175 T-902C: 8% Styron Solution

28 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT176 DCAC Storage Tank

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

EQT176 DCAC Storage Tank

29 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT177 T-911: Monoisopropanolamine (IPAA)

30 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT178 T-914A: Herbicide Products

31 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least five years. Subpart Kb. [40 CFR 60.116b(c)]

EQT194 Z1-94: Dry Chemical Feed Hopper Systems No. 1 (B-1005/B-1035)

32 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

33 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
34 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

35 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

36 Particulate matter (10 microns or less) \geq 95 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT196 Z1-98: Dry Chemical Feed Hopper Systems No. 2 (B-509)

37 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

38 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
39 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

40 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

41 Particulate matter (10 microns or less) \geq 99.5 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AJ ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

EQT197 **Z2-98: Dry Chemical Feed Hopper No. 3 (B-530)**

- 42 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 43 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 44 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 45 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 46 Particulate matter (10 microns or less) >= 95 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT198 **Z4-98: Stormwater Collection System**

- 47 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits Class III TAPs less than the MER. No further control is required. [LAC 33:III.5109.A]

EQT199 **Z6-98: Diesel-Powered Emergency Generator**

- 48 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 49 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT201 **Z8-98: Cooling Tower**

- 50 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT202 **Z2-99: Insecticide Unit Drum Unloading Room**

- 51 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions of HCl (Class III TAP) and Naphthalene (Class II) are below the MER; therefore, MACT does not apply. [LAC 33:III.5109.A]

EQT203 **Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)**

- 52 Flow rate monitored by flow rate monitoring device once every four hours. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AJ ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

EQT203 **Z01-2000: Acetic Acid Tank Scrubber (for Tank T-1008)**

- 53 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 54 Flow rate \geq 2 gallons/min. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 55 pH is not a factor as the removal is based on acetic acid being miscible in water rather than neutralizing it. [LAC 33:III.501.C.6]
- 56 Submit report: Due semiannually, by March 31st and September 30th for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified.
Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

EQT204 **Z3-01: Dry Chemical Feed Hopper No. 4 (Hooper No. 464)**

- 57 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 58 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 59 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 60 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 61 Particulate matter (10 microns or less) \geq 99.5 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

EQT205 **ZT-305A: T-305A, Brine Tank**

- 62 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions of Trichloroethylene (Class III TAP) are below the MER; therefore, MACT does not apply. [LAC 33:III.5109.A]

EQT206 **ZT-305B: T-305B, Brine Tank**

- 63 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions of Trichloroethylene (Class III TAP) are below the MER; therefore, MACT does not apply. [LAC 33:III.5109.A]

EQT213 **Generator No. 1**

- 64 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT214 **Generator No. 2**

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

EQT214 Generator No. 2

65 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT215 Generator No. 3

66 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT216 Generator No. 4

67 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

EQT223 Z1-96: Dust Collection System (WT-1008/WT-1009)

68 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
69 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
70 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
71 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
72 Particulate matter (10 microns or less) >= 99.5 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
73 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits Class II TAPs less than the MER. No further control is required. [LAC 33:III.5109.A]

EQT224 Z1-99: Insecticide Unit Dry Chemical Feed Hooper Vent (B-535)

74 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
75 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER19980004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

EQT224 **Z1-99: Insecticide Unit Dry Chemical Feed Hooper Vent (B-535)**

- 76 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 77 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 78 Particulate matter (10 microns or less) >= 95 % removal efficiency. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

FUG005 **Z2-83: Equipment Fugitives**

- 79 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

GRP029 **MMU Facility**

- 80 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 81 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 82 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 83 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 84 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 85 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 86 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 87 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]
- 88 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. [LAC 33:III.501.C.6]
- 89 Carbon monoxide <= 5.75 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 90 Nitrogen oxides <= 16.98 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER1998004
Permit Number: 2931-V0
Air - Title V Regular Permit Initial

GRP029 MMU Facility

- 91 Particulate matter (10 microns or less) <= 4.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 92 Sulfur dioxide <= 4.67 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 93 VOC, Total <= 25.58 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 94 Acetaldehyde <= 0.0002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 95 Acrolein <= 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 96 Ammonia <= 0.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 97 Benzene <= 0.004 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 98 Copper (and compounds) <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 99 Cumene <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 100 Formaldehyde <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 101 Hydrogen cyanide <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 102 Methylene diphenyl diisocyanate <= 5.54 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 103 Naphthalene <= 0.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 104 Polynuclear Aromatic Hydrocarbons <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 105 Toluene <= 12.95 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 106 Toluene-2,4-diisocyanate <= 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 107 Trichloroethylene <= 0.13 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 108 Xylene (mixed isomers) <= 0.09 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 109 n-Hexane <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

GRP029 MMU Facility

- 110 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 111 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
- 112 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 113 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 114 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 115 Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109. [LAC 33:III.5111.A.3]
- 116 Submit letter: Due to the Office of Environmental Services, Air Permits Division, concurrently with the submittal of the compliance plan. Indicate that the necessary permit modification (or new permit if no existing permit is in place) will be applied for by a date specified in the compliance schedule and request written authorization to construct, or, Submit permit application: Due to the Office of Environmental Services, Permits Division in accordance with LAC 33:III.5111.B, concurrently with the submittal of the compliance plan. [LAC 33:III.5111.A.3]
- 117 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]
- 118 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 119 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 120 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 121 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.51.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.51.F.1.f]
- 122 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 123 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 124 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 125 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 126 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 127 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 128 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

GRP029 MMU Facility

- 129 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 130 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 131 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 132 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 133 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 134 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 135 Comply with applicable provisions of 40 CFR 63 Subpart FFFF. [40 CFR 63]
- 136 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 137 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 138 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 139 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 140 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

EMISSION RATES FOR CRITERIA POLLUTANTS
 AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NO _x			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 150 Z1-74	0.04	0.04	0.16	0.003	0.003	0.003	0.01	0.50	0.50	0.42	0.42	0.16	0.04	0.04	0.16
EQT 152 T-1005													0.0001	0.33	0.0001
EQT 154 T-1006													0.0001	0.33	0.0001
EQT 155 Z1-1013													0.0001	0.33	0.0001
EQT 156 T-1022A													0.0001	0.33	0.0001
EQT 157 T-1022B													0.0001	0.33	0.0001
EQT 162 T-412													0.005	0.33	0.02
EQT 163 T-415													0.001	0.33	0.001
EQT 164 T-420													0.003	0.33	0.01
EQT 165 T-422													0.004	0.33	0.02
EQT 166 T-425													0.003	0.33	0.01
EQT 167 T-79													0.0001	0.33	0.0001
EQT 168 T-96													0.0001	0.33	0.0001
EQT 170 T-805													0.0001	0.33	0.0002
EQT 171 T-901B													0.15	0.33	0.65
EQT 172 T-901C													0.15	0.33	0.65
EQT 173 T-901D													0.15	0.33	0.65
EQT 174 T-902B													0.15	0.33	0.65

EMISSION RATES FOR CRITERIA POLLUTANTS
 AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 175 T-902C													0.0001	0.33	0.0002
EQT 176 T-910													0.06	0.33	0.25
EQT 177 T-911													0.0001	0.33	0.0001
EQT 178 T-914A													0.007	0.33	0.03
EQT 194 Z1-94	1.13	1.69	0.90												
EQT 196 Z1-96	0.30	0.45	0.02												
EQT 197 Z2-96	8.25	12.38	0.13												
EQT 198 Z4-98													0.32	0.32	1.41
EQT 199 Z6-98	0.23	0.23	0.01	3.99	3.99	0.10	6.89	12.65	0.33	3.36	3.36	0.09	0.32	0.32	0.01
EQT 200 Z7-98													0.09	0.35	0.39
EQT 201 Z8-98	0.53	0.53	2.30												
EQT 202 Z2-99													0.04	0.06	0.01
EQT 203 Z01-2000													0.001	0.05	0.01
EQT 204 Z3-01	0.05	0.07	0.01												
EQT 213 G-1	0.03	0.12	0.07	0.54	2.18	1.14	1.72	6.89	3.62	0.46	1.83	0.96	0.05	0.18	0.09
EQT 214 G-2	0.03	0.12	0.07	0.54	2.18	1.14	1.72	6.89	3.62	0.46	1.83	0.96	0.05	0.18	0.09
EQT 215 G-3	0.03	0.12	0.07	0.54	2.18	1.14	1.72	6.89	3.62	0.46	1.83	0.96	0.05	0.18	0.09
EQT 216 G-4	0.03	0.12	0.07	0.54	2.18	1.14	1.72	6.89	3.62	0.46	1.83	0.96	0.05	0.18	0.09

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 223 Z1-96	0.66	0.99	0.25								
EQT 224 Z1-99	0.05	0.08	0.01								
FUG 005 Z2-83									4.63	9.26	20.29

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 4.07 tons/yr
 SO2: 4.67 tons/yr
 NOx: 16.98 tons/yr
 CO: 5.75 tons/yr
 VOC: 25.58 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Acetaldehyde			Acrolein			Ammonia			Benzene			Copper (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 150															
Z1-74															
EQT 158															
T-305A															
EQT 159															
T-305B															
EQT 160															
T-407															
EQT 161															
T-408															
EQT 169															
T-86															
EQT 198															
Z4-98															
EQT 199	0.004	0.32	0.00001	0.004	0.004	0.00001				0.003	0.003	0.00001			
Z6-98															
EQT 202															
Z2-99															
EQT 213	0.0001	0.0001	0.00001	0.0001	0.0001	0.00001				0.0005	0.0005	0.0001			
G-1															
EQT 214	0.0001	0.0001	0.00001	0.0001	0.0001	0.00001				0.0005	0.0005	0.0001			
G-2															
EQT 215	0.0001	0.0001	0.00001	0.0001	0.0001	0.00001				0.0005	0.0005	0.0001			
G-3															
EQT 216	0.0001	0.0001	0.00001	0.0001	0.0001	0.00001				0.0005	0.0005	0.0001			
G-4															
EQT 223															
Z1-96															
FUG 005							0.07	0.13	0.029				0.13	0.02	0.001
Z2-83															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Cumene			Formaldehyde			Hydrogen cyanide			Methylene diphenyl diisocyanate			Naphthalene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 150 Z1-74			0.0002	0.0004	0.0004	0.0002	0.0001	0.0001	0.0001				0.0001	0.0001	0.0001
EQT 158 T-305A															
EQT 159 T-305B															
EQT 160 T-407															
EQT 161 T-408															
EQT 169 T-86															
EQT 198 Z4-98															
EQT 199 Z6-98				0.004	0.004	0.0001									
EQT 202 Z2-99							0.0004	0.001	0.0001				0.04	0.06	0.01
EQT 213 G-1				0.0001	0.0003	0.0001									
EQT 214 G-2				0.0001	0.0003	0.0001									
EQT 215 G-3				0.0001	0.0003	0.0001									
EQT 216 G-4				0.0001	0.0003	0.0001									
EQT 223 Z1-96							0.13	0.20	0.05						
FUG 005 Z2-83	0.01	0.02	0.05	0.01	0.02	0.04	1.27	2.53	5.54	0.06	0.13	0.27			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Toluene			Toluene-2,4-dithiocyanate			Trichloroethylene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 150				0.002	0.003	0.001	0.0001	0.0001							
Z1-74															
EQT 158									0.0001	0.33	0.00001				
T-305A															
EQT 159									0.0001	0.33	0.00001				
T-305B															
EQT 160									0.0001	0.33	0.00001				
T-407															
EQT 161									0.0001	0.33	0.00001				
T-408															
EQT 169				0.16	0.33	0.069									
T-86															
EQT 198				0.0001	0.0001	0.00001									
Z4-98															
EQT 199	0.004	0.004	0.00001	0.004	0.004	0.00001							0.004	0.00001	
Z6-98															
EQT 202															
Z2-99															
EQT 213	0.0003	0.0005	0.00003	0.0003	0.0005	0.00003							0.0001	0.0005	0.00003
G-1															
EQT 214	0.0003	0.0005	0.00003	0.0003	0.0005	0.00003							0.0001	0.0005	0.00003
G-2															
EQT 215	0.0003	0.0005	0.00003	0.0003	0.0005	0.00003							0.0001	0.0005	0.00003
G-3															
EQT 216	0.0003	0.0005	0.00003	0.0003	0.0005	0.00003							0.0001	0.0005	0.00003
G-4															
EQT 223															
Z1-96															
FUG 005				2.80	5.59	12.25							0.02	0.04	0.009
Z2-83															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
 Activity Number: PER19980004
 Permit Number: 2931-V0
 Air - Title V Regular Permit Initial

All phases

		n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 150 Z1-74	0.01	0.02	0.05	
EQT 158 T-305A				
EQT 159 T-305B				
EQT 160 T-407				
EQT 161 T-408				
EQT 169 T-86				
EQT 198 Z4-98				
EQT 199 Z6-98				
EQT 202 Z2-99				
EQT 213 G-1				
EQT 214 G-2				
EQT 215 G-3				
EQT 216 G-4				
EQT 223 Z1-96				
FUG 005 Z2-83				

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Acetaldehyde: 0.0005 tons/yr

Acrolein: 0.0005 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER19980004

Permit Number: 2931-V0

Air - Title V Regular Permit Initial

All phases

Ammonia: 0.30 tons/yr
Benzene: 0.004 tons/yr
Copper (and compounds): 0.001 tons/yr
Cumene: 0.05 tons/yr
Formaldehyde: 0.04 tons/yr
Hydrogen cyanide: 0.05 tons/yr
Methylene diphenyl diisocyanate: 5.54 tons/yr
n-Hexane: 0.06 tons/yr
Naphthalene: 0.28 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.001 tons/yr
Toluene-2,4-diisocyanate: 0.0001 tons/yr
Toluene: 12.95 tons/yr
Trichloroethylene: 0.0004 tons/yr
Xylene (mixed isomers): 0.09 tons/yr

Emission Rates Notes: